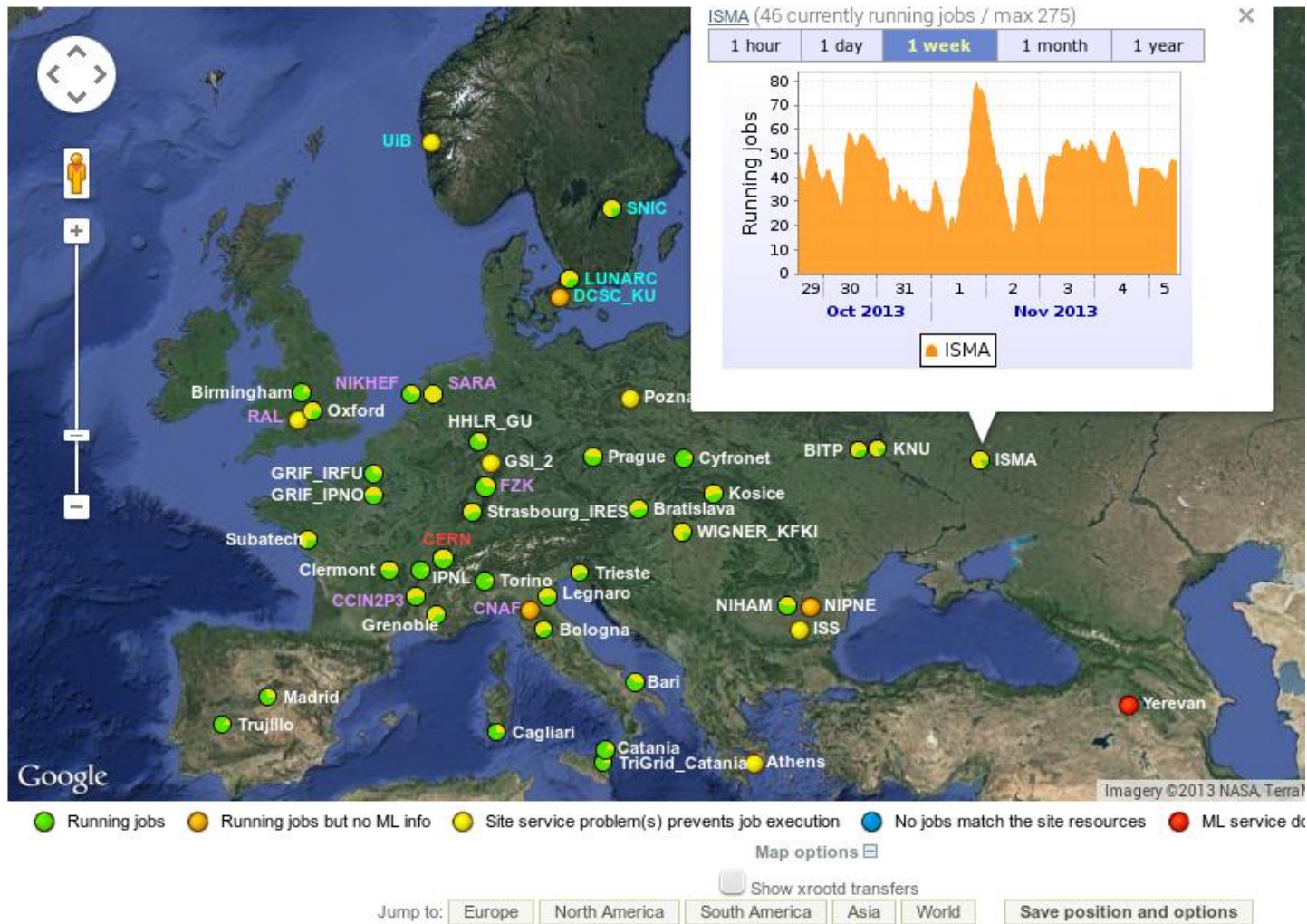




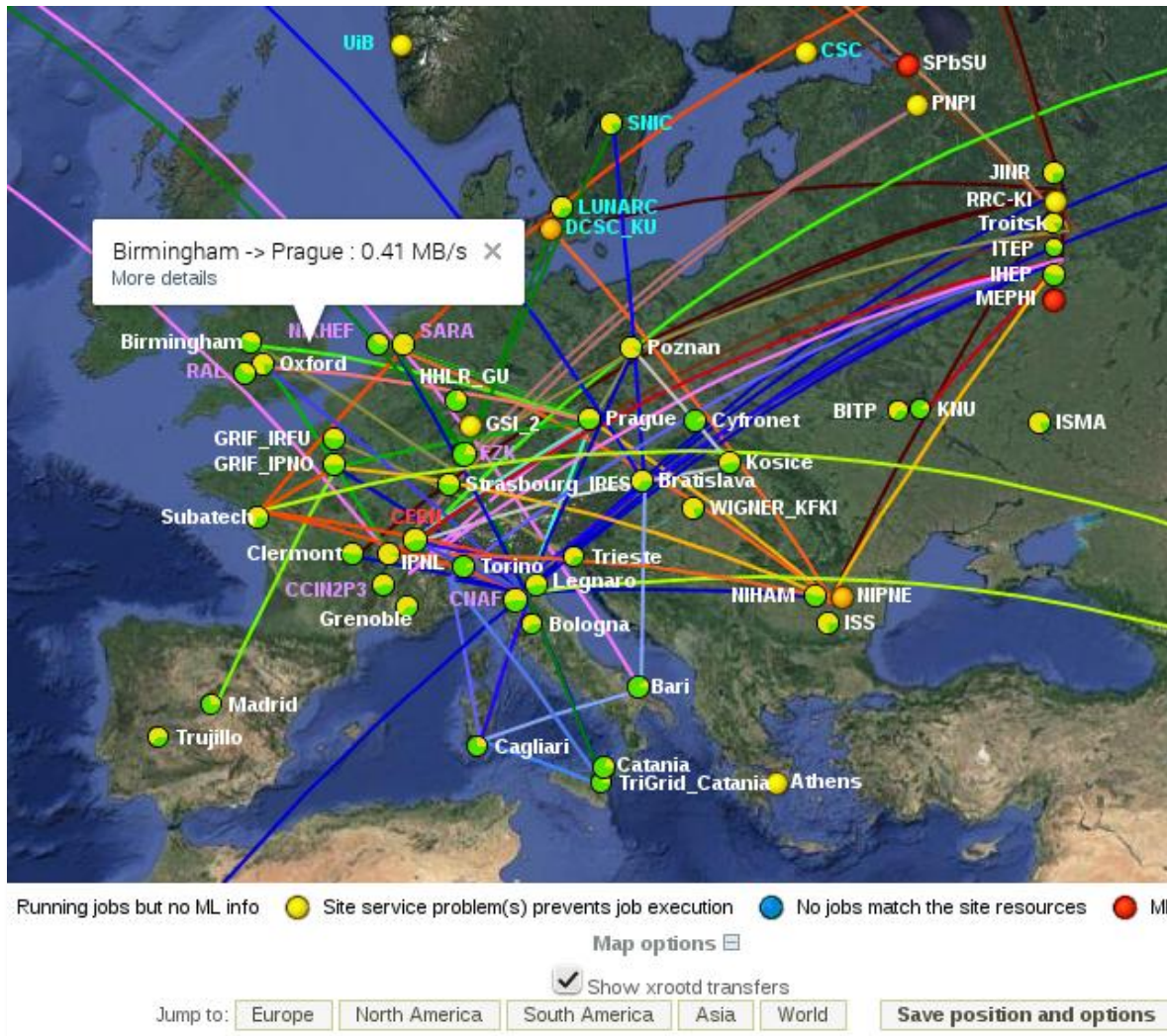
UPDATE ON ALICE GRID MONITORING

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UPDATED MAP – GOOGLE MAPS API v3



UPDATED MAP – REAL XROOTD TRAFFIC



- Top 100 WAN connections at the moment
- Source-based color coding
- Traffic-dependent line width

XROOTD TRAFFIC AGGREGATION

- Filter on each VoBox aggregating local Xrootd on-close events (read and write) in:
 - Client IPv4 C-classes
 - Remote site (IP to site mapping done by the central services)
 - LAN and WAN
 - Total traffic
- Also available are read and write operation frequencies
- Data available in MonALISA under the *XrdServers_Aggregation* cluster
- Not available for EOS yet

MONALISA – ALIROOT INTERFACE

- Available in AliROOT as ANALYSIS/AliXMLParser.cxx
- Requires ROOT \geq 5-34/11 to read from URLs
- Currently the following links implement it:
 - Production details, eg:
http://alimonitor.cern.ch/prod/jobs.jsp?t=4078&res_path=xml
 - Run Condition Table:
http://alimonitor.cern.ch/configuration/?res_path=xml
 - SHUTTLE:
http://alimonitor.cern.ch/shuttle.jsp?instance=PROD&time=10000&res_path=xml
 - The REST interface of MonALISA:
http://alimonitor.cern.ch/rest/CERN/MonaLisa/localhost/*?Accept=text/xml
- Create the view you want in the web interface then add the respective argument in the code

USAGE

CINT/ROOT C/C++ Interpreter version 5.18.00, July 2, 2010

Type ? for help. Commands must be C++ statements.

Enclose multiple statements between { }.

```
root [0] AliXMLParser *parser=new AliXMLParser();
```

```
root [1] TList *list=parser->GetTreesFromURL("http://alimonitor.cern.ch/shuttle.jsp?filter=&instance=PROD&runrange=&time=4100&res_path=xml")
```

```
root [2] TList *list=parser->GetTreesFromXML("complex.xml")
```

```
root [3] █
```

```
root [5] .x sample.C(URL,"http://alimonitor.cern.ch/configuration/?res_path=xml")
```

```
===== Tree 1 =====  
=====> EVENT:0  
runno          = 197692  
filling_scheme = 168  
filling_config =  
fillno         = 3564  
energy         = 1380  
intensity_per_bunch =  
mu             =  
interacting_bunches = 36  
noninteracting_bunches_beam_1 = 1338  
noninteracting_bunches_beam_2 = 1302  
interaction_trigger = 49115  
rate           = 33.0073929  
beam_empty_trigger =  
empty_empty_trigger =  
muon_trigger     = 30330  
high_multiplicity_trigger =  
emcal_trigger    = 42402  
calibration_trigger =  
quality          = 2  
muon_quality     = 1  
comment          =  
changedon        = 1381751349  
changedby        = germain
```

Thanks Harsh!

USING THE WEB FILTERS

LHC13g		Beam					Bunches				
197500:197600											100000:
Run#	Bunches	Scheme	Fill #	Energy per beam	Intensity per bunch	Mu	B B	B A	B C	MB Interaction	
197584	168	50ns_1374b_1278_36_1218_144bpi12inj	3,559	1,380			36	1338	1302	1,187,920	
197583	168	50ns_1374b_1278_36_1218_144bpi12inj	3,559	1,380			36	1338	1302	272,707	
197501	167	50ns_510b_504_6_414_72bpi11inj	3,556	1,380			6	504	504	2,221,762	
197500			inj	3,556	1,380		6	504	504	426,597	
4										4,108,986	
OPTIONS		Sh									

Selected runs
197584, 197583, 197501, 197500

- You can use ranges, lists, exclude particular values...
 - http://alimonitor.cern.ch/doc/index.jsp?page=configuration_index
- Full link to page + options to send/bookmark:

This page: [bookmark](#), [URL](#)



Running jobs trend

Jobs: 33452

Link to this page

The [link](#) to the current page is:

```
http://alimonitor.cern.ch/configuration/?partition=LHC13g&raw_run=197500%3A197600&interaction_trigger=100000%3A
```

[Short URL](#)

[Make this page your start page](#)

SITE ISSUES DASHBOARD

- <http://alimonitor.cern.ch/siteinfo/issues.jsp>
- Issues split in levels, last selected level as cookie
- Added direct testing of individual Xrootd data servers

ALICE::RRC-KI::SE redirector **radical.grid.kiae.ru** doesn't see all nodes, only 309.8 TB out of 339 TB total space is connected
ALICE::RRC-KI::SE: xrootd data server **xr26.grid.kiae.ru** fails ADD test.

ALICE::Clermont::SE redirector **clralicexrd.in2p3.fr** doesn't see all nodes, only 166.2 TB out of 179.9 TB total space is connected
ALICE::CLERMONT::SE: xrootd data server **clrgpfs2srv-dpm07.in2p3.fr** fails ADD test.

- CVMFS status

CNAF ui01-alice.cr.cnaf.infn.it	CVMFS: old CVMFS version detected (2.1.10), please upgrade to 2.1.15.
ISMA gl-vobox.isma.kharkov.ua	CVMFS: old catalogue revision detected (158), expecting 166.

- IPv6, network buffers, efficiency...
 - Only 3 sites have deployed IPv6 so far, kudos to Oksana for the complete deployment at BITP